

## CLAIMS

## 1. A plasma display panel comprising:

a first substrate and a second substrate facing each other to provide a discharge space between the first substrate and the second substrate;

a scan electrode and a sustain electrode both provided on the first substrate;

a dielectric layer for covering the scan electrode and the sustain electrode; and

a protective layer provided on the dielectric layer, the protective layer including magnesium oxide and magnesium carbide.

2. The plasma display panel of claim 1, wherein the protective layer includes 50ppm by weight to 7000ppm by weight of magnesium carbide.

3. The plasma display panel of claim 1, wherein the magnesium carbide of the protective layer comprises at least one of  $\text{MgC}_2$ ,  $\text{Mg}_2\text{C}_3$  and  $\text{Mg}_3\text{C}_4$ .

## 4. A method of manufacturing a plasma display panel, comprising:

forming a scan electrode and a sustain electrode on a first substrate;

forming a dielectric layer for covering the scan electrode and the sustain electrode;

forming a protective layer on the dielectric layer by using material including magnesium oxide and magnesium carbide; and

providing a second substrate apart from the protective layer by a predetermined distance so as to provide a discharge space between the

protective layer and the second substrate.

5. The method of claim 4, wherein the material of the protective layer includes 50ppm by weight to 7000ppm by weight of magnesium carbide.

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6. The method of claim 4, wherein the magnesium carbide of the material of the protective layer comprises at least one of  $\text{MgC}_2$ ,  $\text{Mg}_2\text{C}_3$ , and  $\text{Mg}_3\text{C}_4$ .

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7. A material used for a method of manufacturing a plasma display panel, the material comprising magnesium oxide and magnesium carbide, wherein the method comprises:

forming a scan electrode and a sustain electrode on a first substrate;

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forming a dielectric layer for covering the scan electrode and the sustain electrode;

forming a protective layer on the dielectric layer by using the material; and

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providing a second substrate apart from the protective layer by a predetermined distance to provide a discharge space between the protective layer and the second substrate.

8. The material of claim 7, comprising 50ppm by weight to 7000ppm by weight of the magnesium carbide.

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9. The material of claim 7, wherein the magnesium carbide comprises at least one of  $\text{MgC}_2$ ,  $\text{Mg}_2\text{C}_3$  and  $\text{Mg}_3\text{C}_4$ .